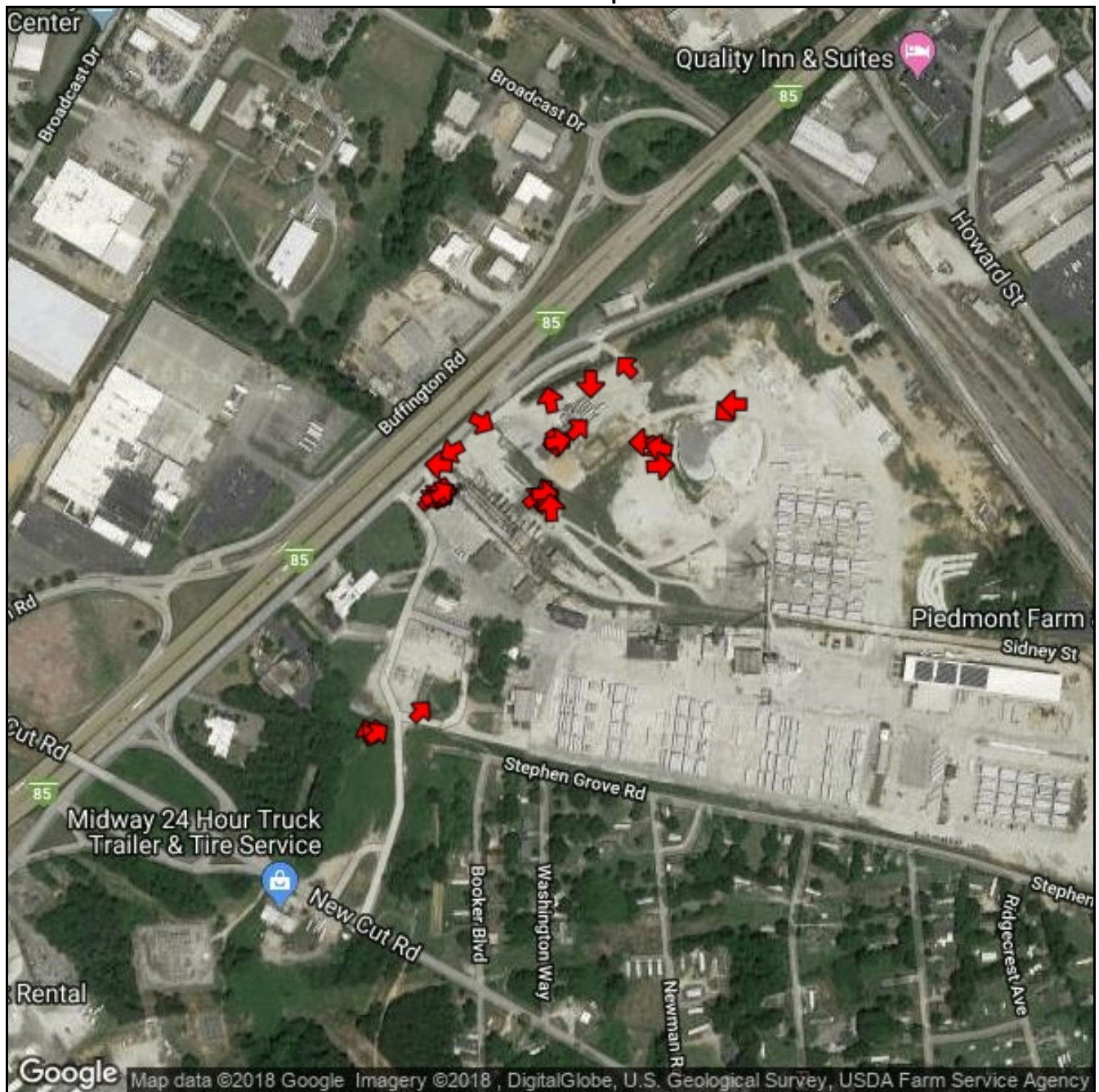


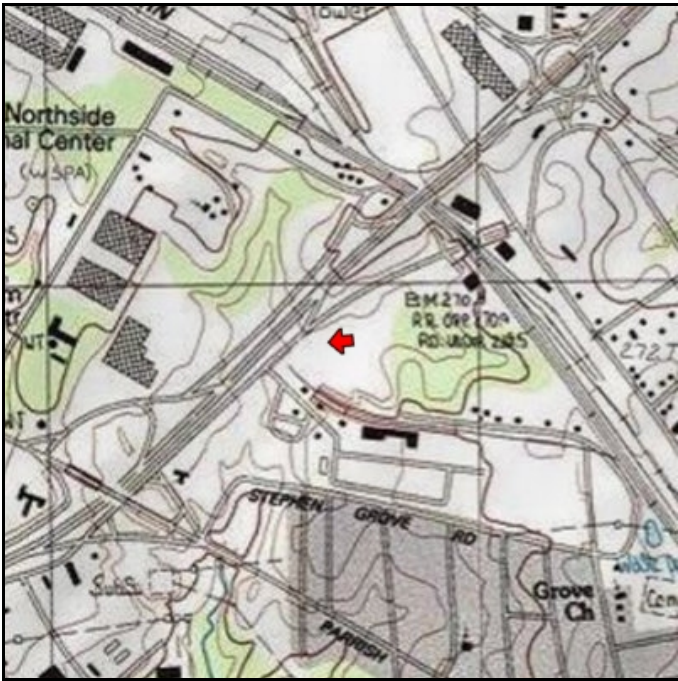


**Concrete Supply Company (SCR005527)
and Archer Western**
Industrial Stormwater Inspection - SC

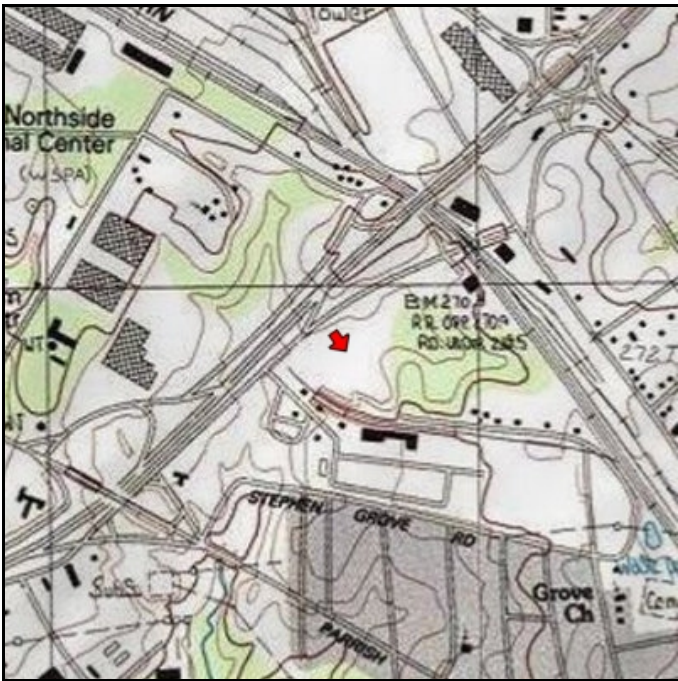
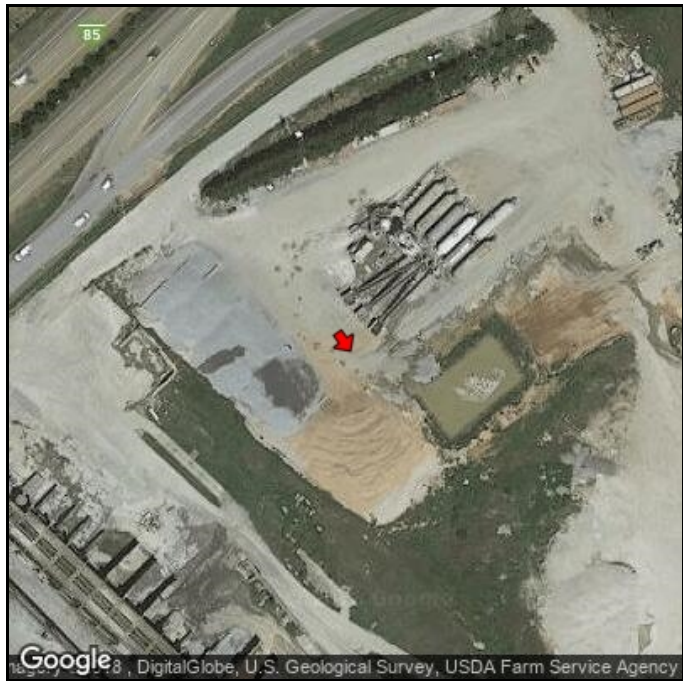
December 13, 2018
SW-CSCSimuel-12/13/18
U.S. Environmental Protection Agency - Region 4

Overview Map

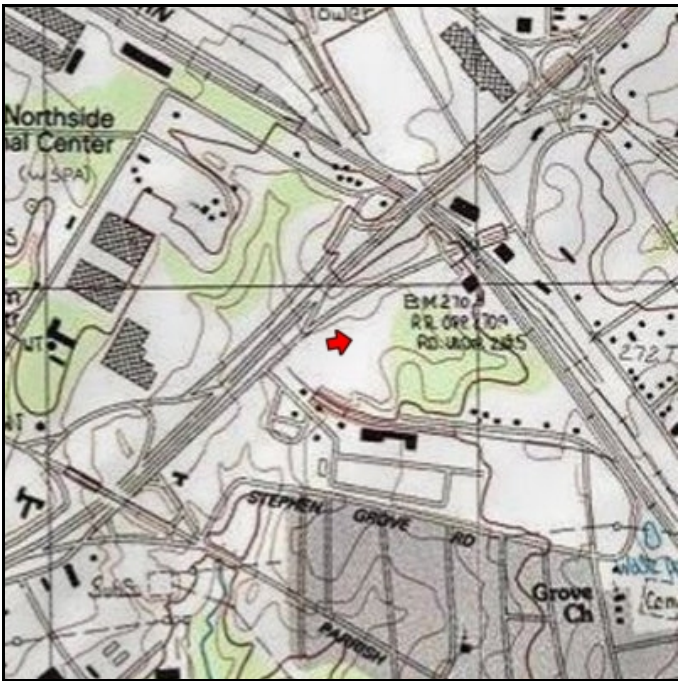
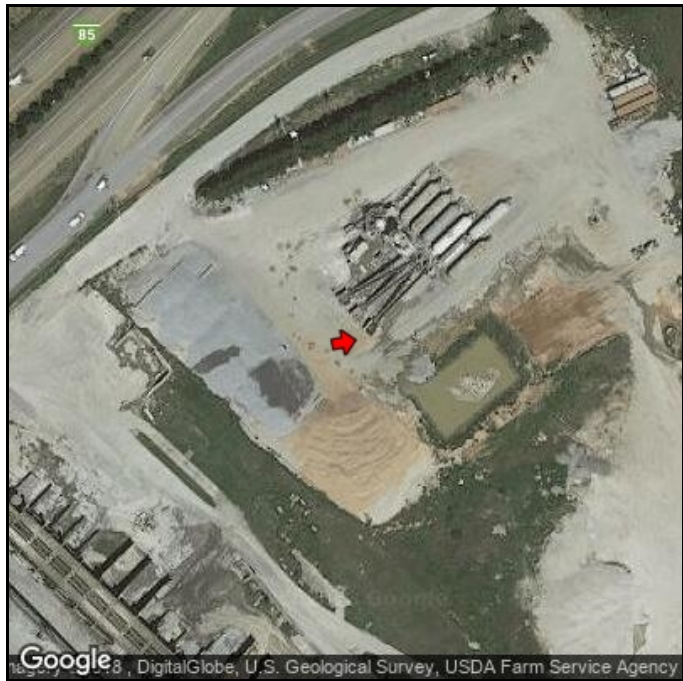




Attributes	
Description	Batch plant entry drains to piles and road.



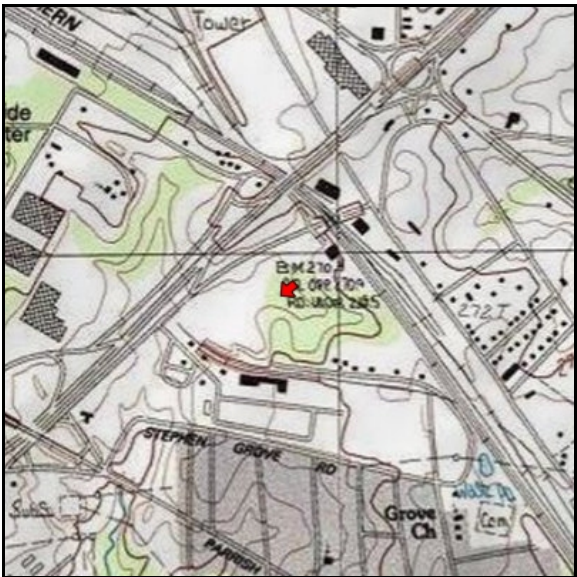
Attributes	
Description	Aggregate and sand piles



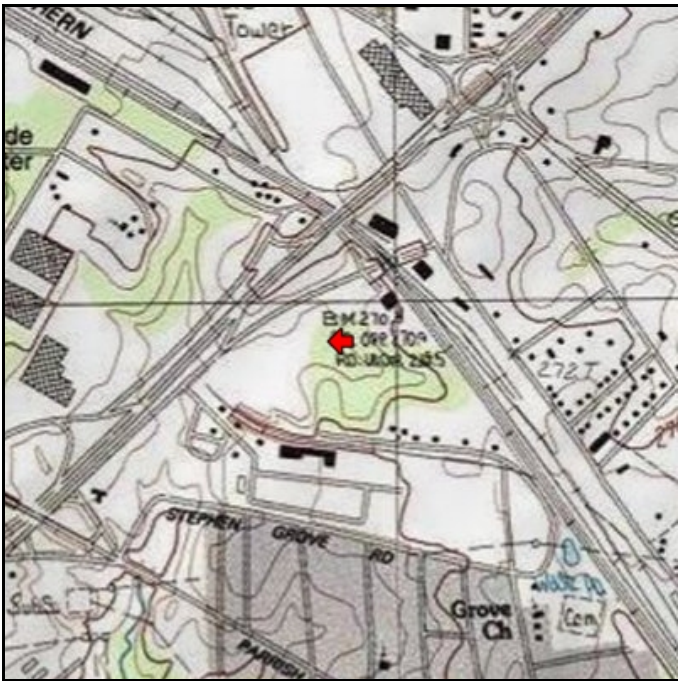
Attributes	
Description	Road to washout pond in far ground of photo.



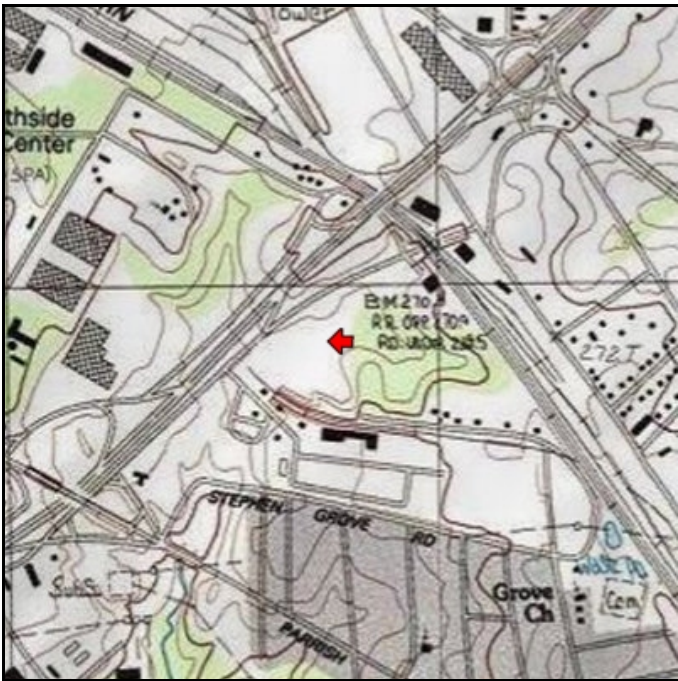
Attributes	
Description	Diesel for loader and boiler. The drain plug for the secondary containment was off until inspectors pointed it out. The secondary containment was full of water with a sheen up to the drain level. There was no locking mechanism for the secondary containment drain.



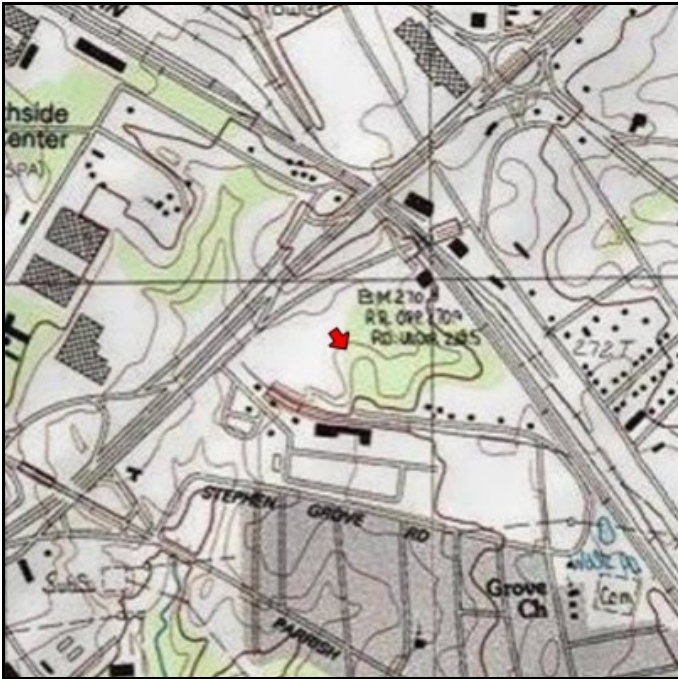
Attributes	
Description	Shared concrete washout pond. The facility representative noted that it “needs excavation”. A four-inch pump is attached to a nozzle to washout trucks. The excavation bill is shared. The facility representative was unsure of where the excavated material goes.



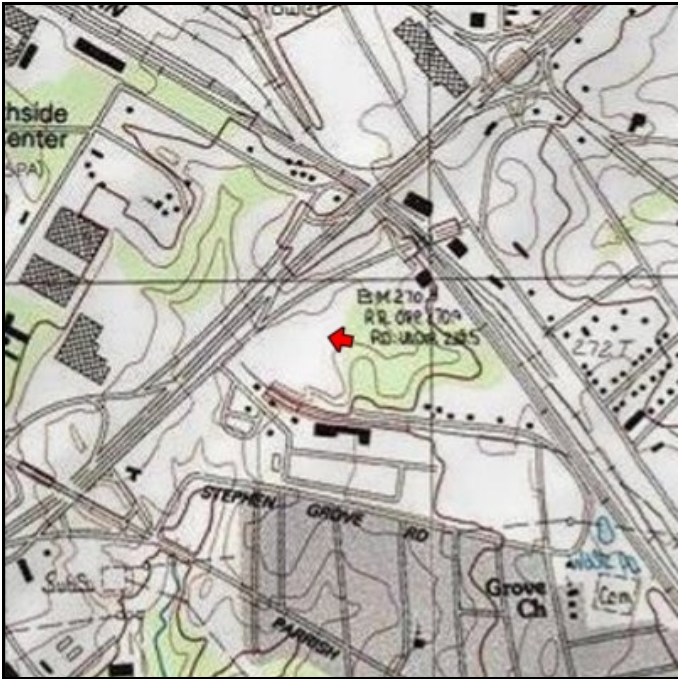
Attributes	
Description	View of pond (left) looking downhill to the batch plant and the road.



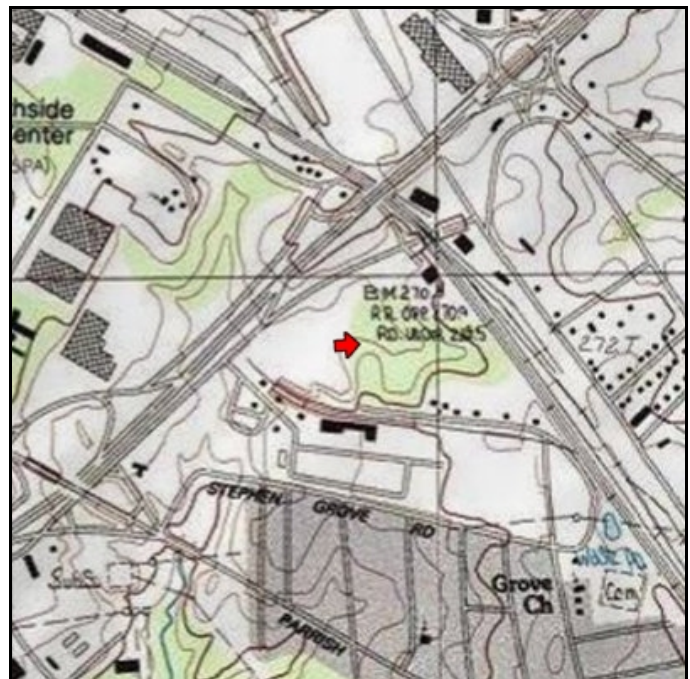
Attributes	
Description	View of aggregate and sand piles for facility



Attributes	
Description	View of trench behind pond and shared concrete pile. See photo DSCN1659 for where this water flows to.



Attributes	
Description	Flow path of concrete washout pond seepage



Attributes

Description

Concrete washout pond seepage to trench in photo DSCN1658



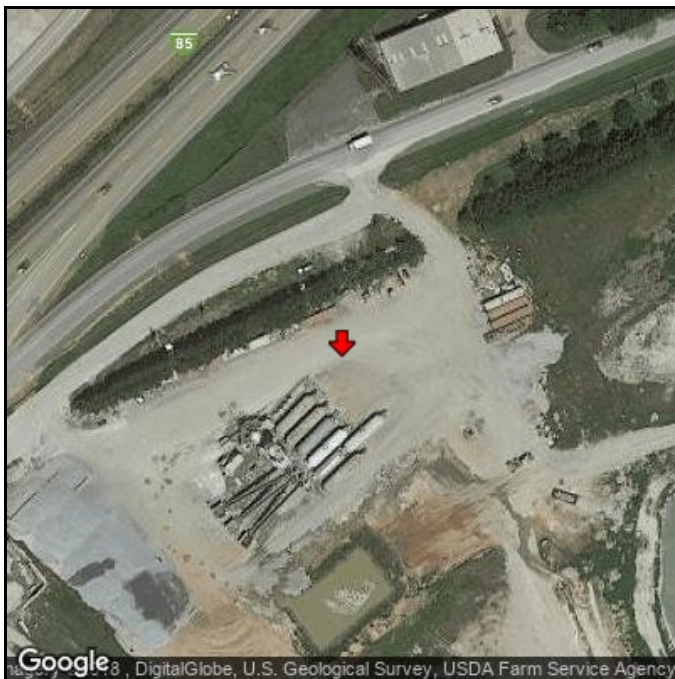
Attributes	
Description	Material staging with tote of certi-vex envoi cure white 1000 SC DOT

DSCN1662.JPG



N 34° 58' 43.96"
W 81° 58' 40.62"

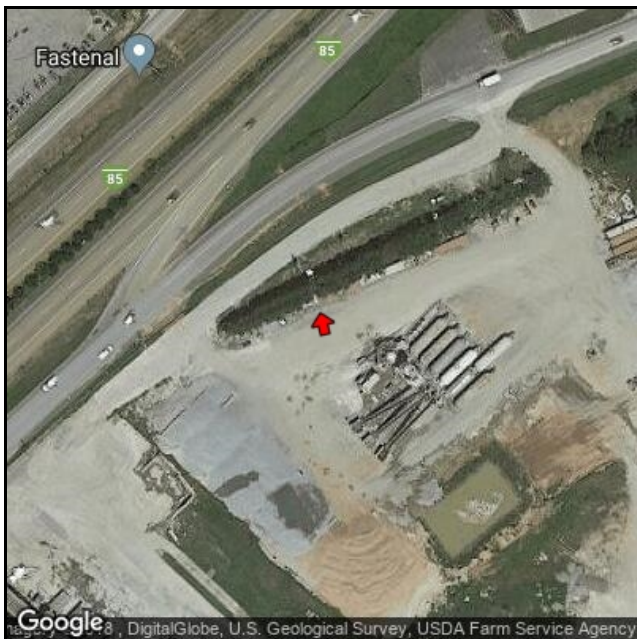
12.13.2018 15:06



Attributes

Description

Tanks with secondary containment at the batch plant. The facility representative did not know how the secondary containment is emptied.



Attributes

Description

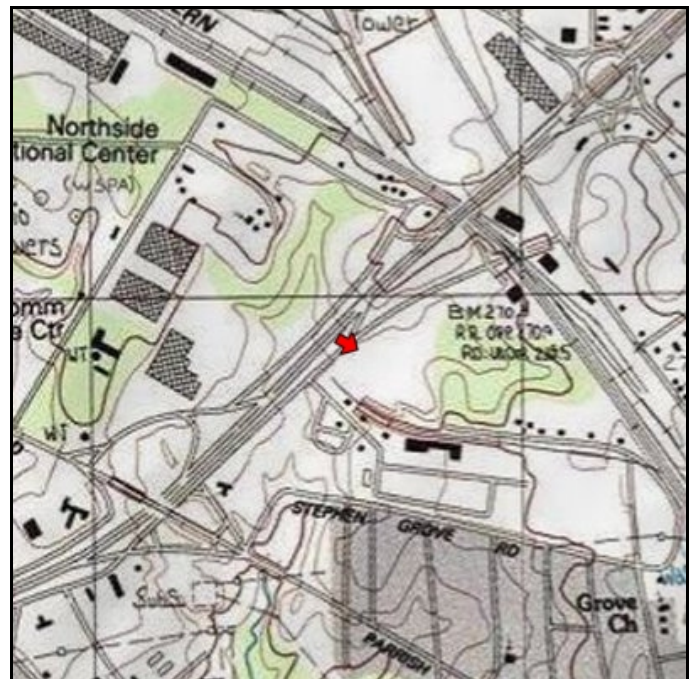
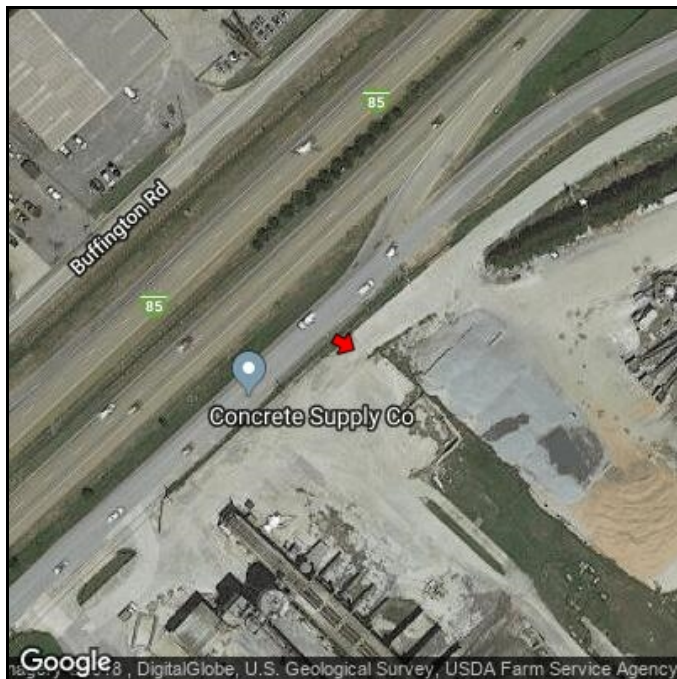
Tote of "white 1000 SC DOT" with black material in it. The small drum in the photo did not have a lid and contained black oil. The lidless bucket also contained black oil.

DSCN1664.JPG



N 34° 58' 42.59"
W 81° 58' 45.35"

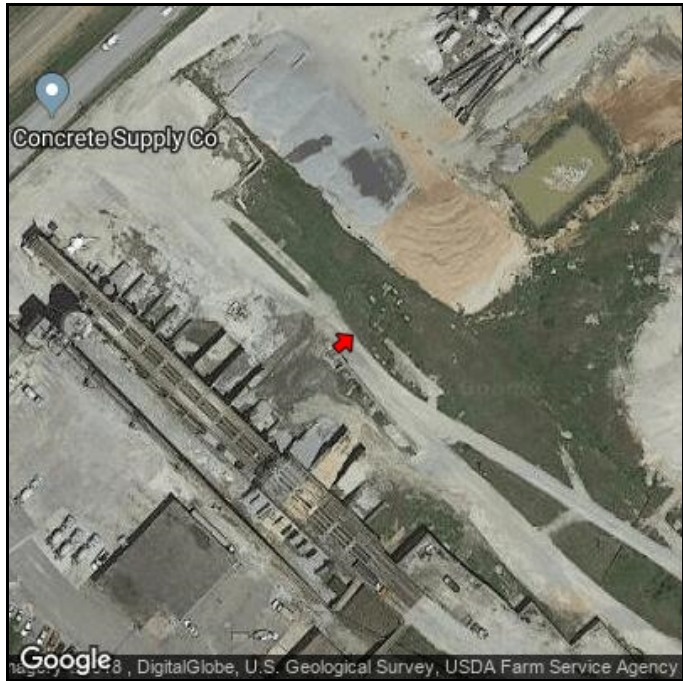
12.13.2018 15:15



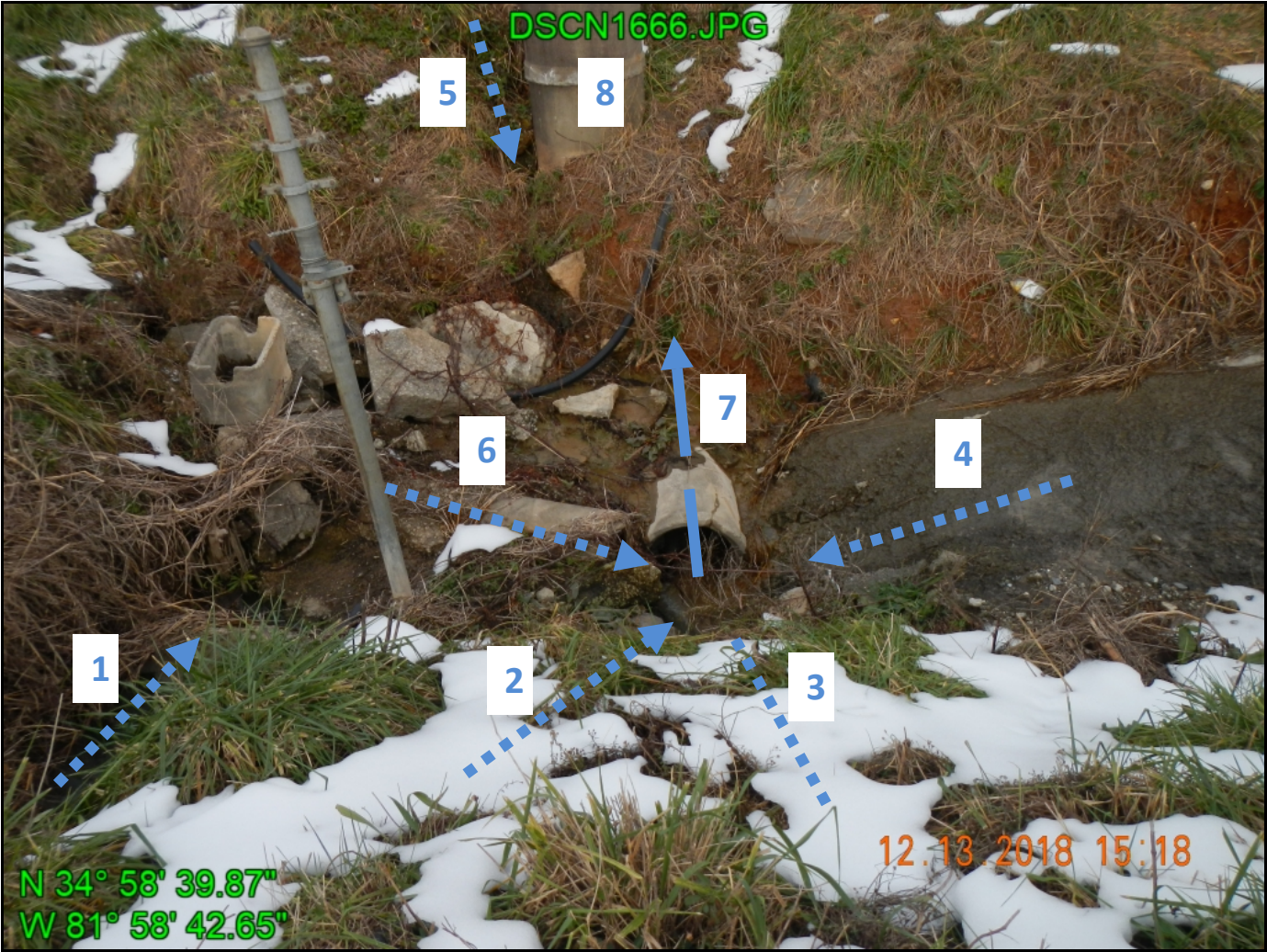
Attributes

Description

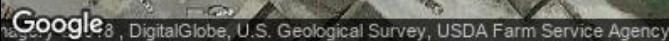
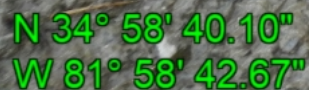
Flow comes from the left side of the photo (direction of batch plant) to this driveway. Backside of the facility's piles with material escaping concrete holding area.



Attributes	
Description	View of labeled stormwater outfall. Also pictured in photos DSCN1666-1671.



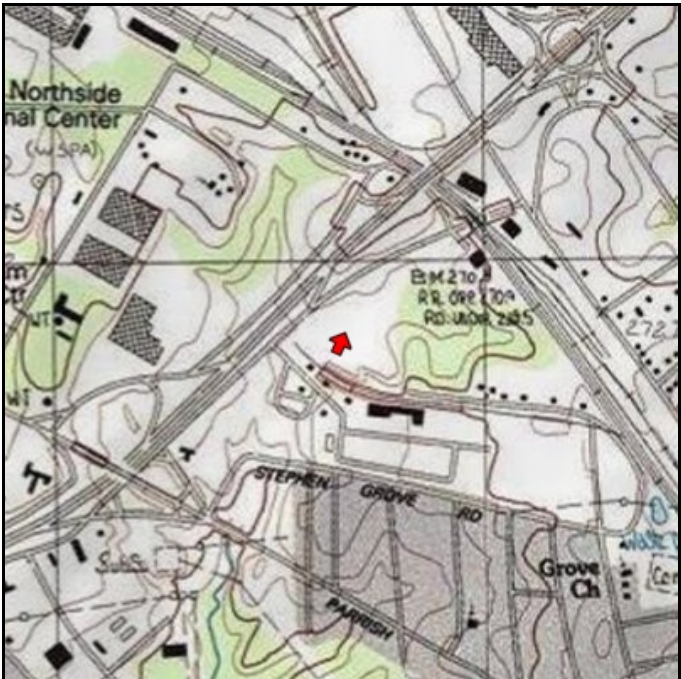
Attributes	
Description	View of labeled stormwater outfall with numbered arrows noting direction of flow. Sources 1-2 and 4-6 flow to pipe 7. At the time of inspection, 1, 2, and 6 were actively flowing to 7.



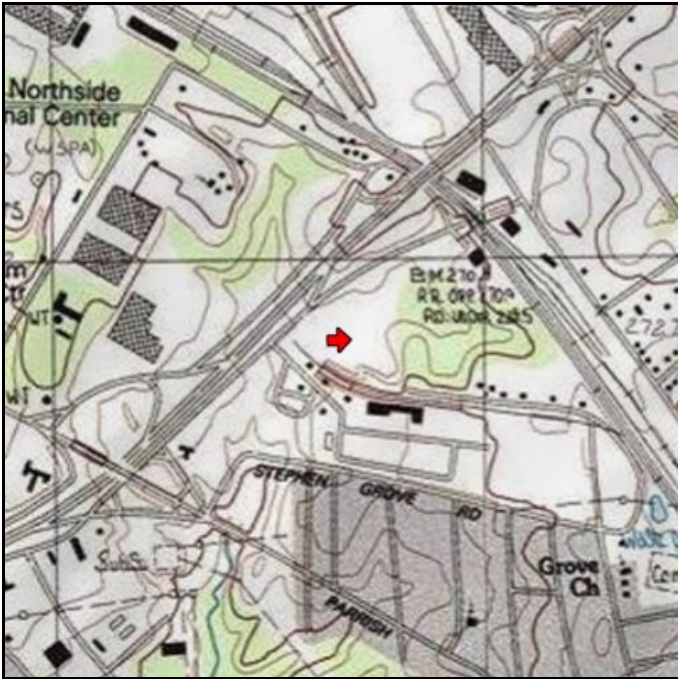
Attributes



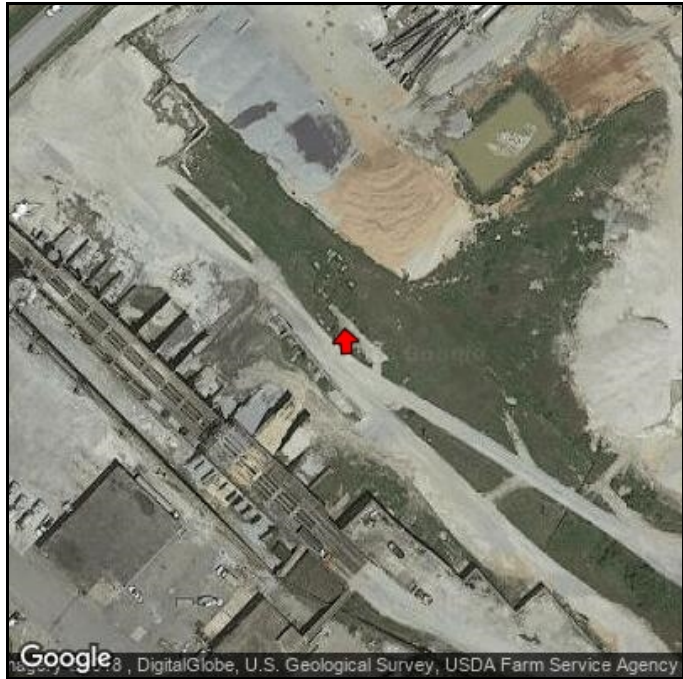
Attributes	
Description	Pipe 1 with flow and white residue. View of labeled stormwater outfall area.



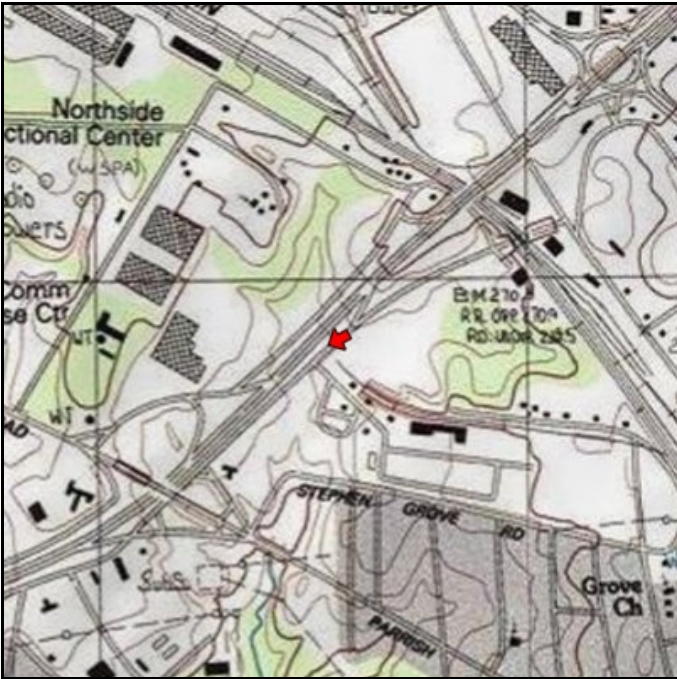
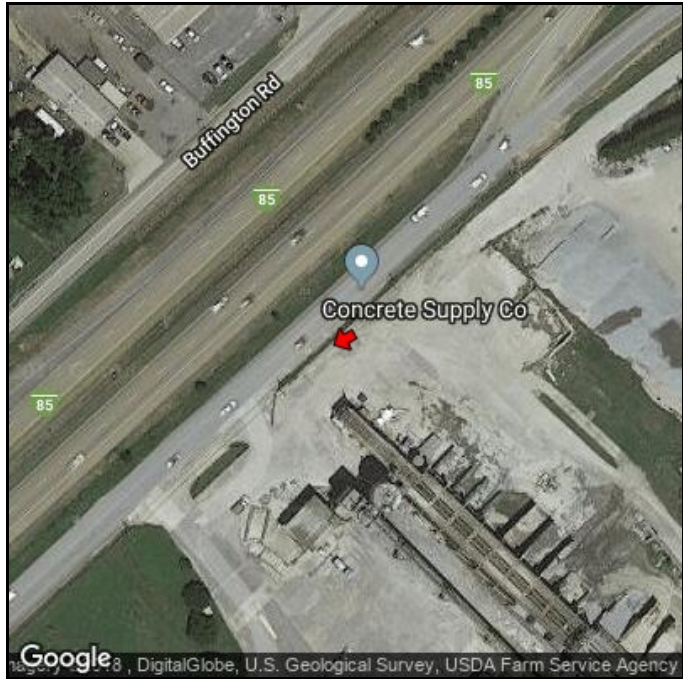
Attributes	
Description	View of labeled stormwater outfall area with flow arrow.



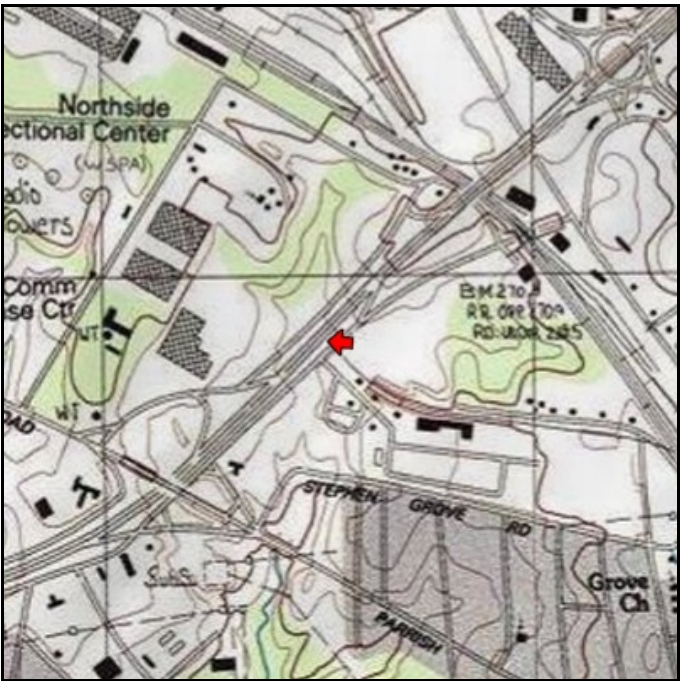
Attributes	
Description	Flow inside of pipe 8. The top of the photo faces west. View of labeled stormwater outfall area.



Attributes	
Description	View of labeled stormwater outfall area and Archer Western's piles.

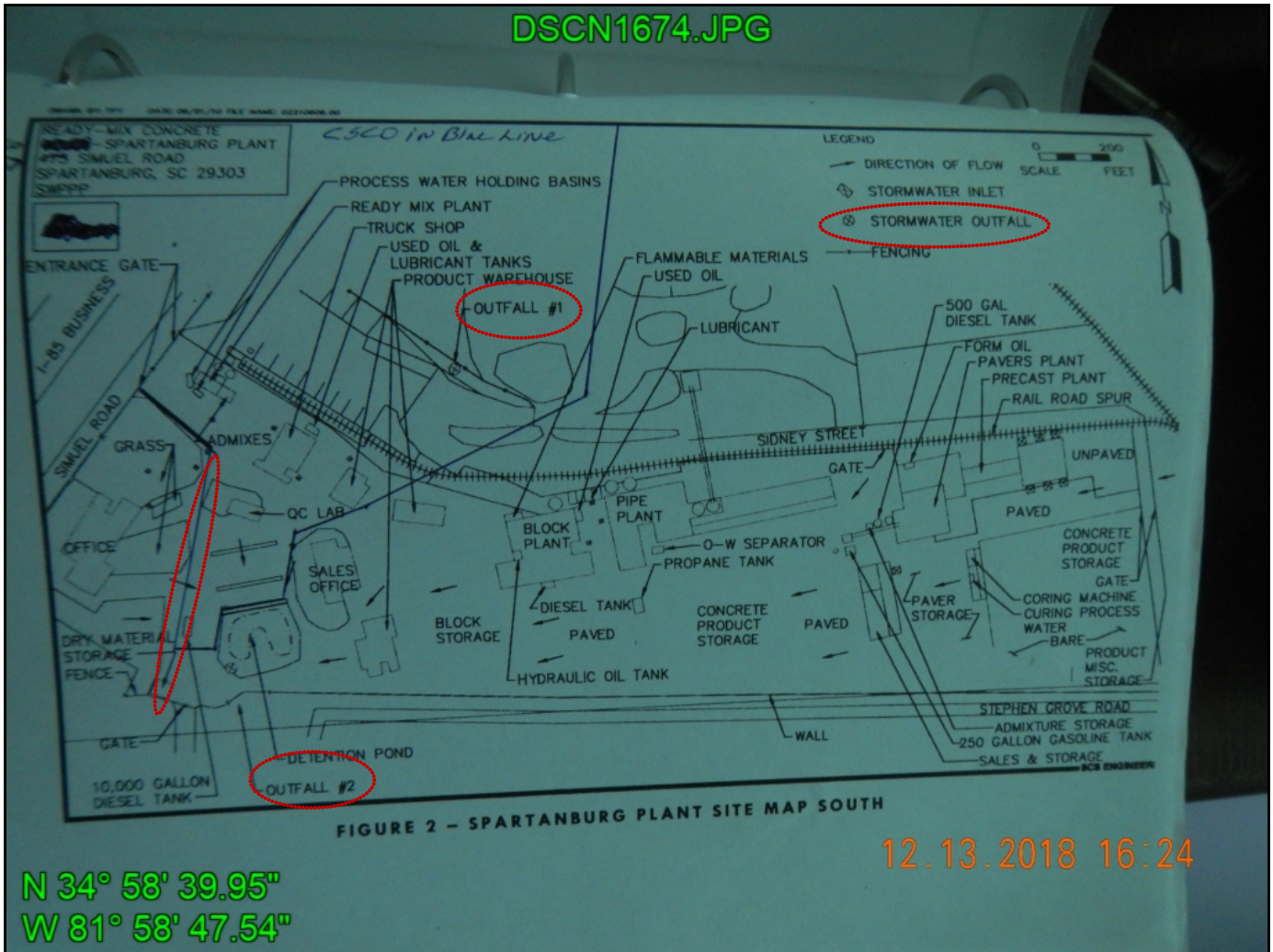


Attributes	
Description	View of drainage area to potentially undesignated outfall.



Attributes	
Description	View of potentially undesignated outfall with collection of sediment and concrete fines.

DSCN1674.JPG



Attributes	
Description	Figure 2 - Spartanburg Plant Site Map South from Concrete Supply Company's (CSC) Stormwater Pollution Prevention Plan (SWPPP) binder. It illustrates Outfalls #1 and #2. In pen, CSCO was added and appears to illustrate a 3 rd outfall. Note that Archer Western's batch plant and piles are not located on this Site Map. The common washout pond (DSCN1655) is not on the Site Map as required by Permit Part 8.E.3.1.

DSCN1675.JPG



FIGURE 1. SITE LOCATION MAP - 1983 USGS 7.5 Topographic Map of Spartanburg, South Carolina

12.13.2018 16:24

N 34° 58' 39.95"
W 81° 58' 47.35"

Attributes

Description

Figure 1. Site Location Map from CSC's SWPPP binder. It includes a tributary to Fairforest Creek (included in the 2011 NOI) with a TMDL for fecal coliform and a tributary to Chiquapin Creek (which was not included in the 2011 NOI).

N 34° 58' 40.07"
W 81° 58' 46.97"

12.13.2018 16:29

DSCN1676.JPG

Non-Stormwater Discharge Assessment and Certification				Completed by: <i>Wayne Amaker</i> Title: <i>Plant Manager</i> Date: <i>8-5-18</i>	
Date of Test or Evaluation	Outfall Directly Observed During the Test (Identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for Presence of Non-Stormwater Discharge	Identify Potential Significant Sources	Name of Person who Conducted the Test or Evaluation
8-5-15	Outfall 1	Visual Observation	No Outfall	=	<i>Wayne Amaker</i>
9-21-16	Outfall 1	Visual Observation	No Outfall	=	<i>Wayne Amaker</i>
10-20-17	Outfall 1	Visual Observation	No Outfall	=	<i>Wayne Amaker</i>

CERTIFICATION

I, _____ (responsible corporate official) certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print) <i>Wayne Amaker Plant Manager</i>	B. Area Code and Telephone No. <i>864-515-0040</i>
C. Signature <i>Wayne Amaker</i>	D. Date Signed <i>8-8-18</i>

Attributes	
Description	August 2015 Non-Stormwater Discharge Assessment Certification from CSC's SWPPP binder. It documents August 5, 2015 Outfall 1 visual observation, September 21, 2016 Outfall 1 visual observation and October 20, 2017 Outfall 1 visual observation. For all three dates, the "Presence of Non-Stormwater Discharge" is listed as "No Outfall" and no potential sources are identified. The certification statement was not signed for the 2016 or 2017 observations.

12/17/2018 11:08:20 AM

N 34° 58' 40.12"
W 81° 58' 47.38"

CONCRETE SUPPLY CO.
TRAINING ATTENDANCE SHEET

TRAINING TOPIC: Environmental

LOCATION: Spartanburg DATE: 10-30-17

PRINT NAME	SIGNATURE
1. Tim Pruitt	<i>Tim Pruitt</i>
2. Louis Jeter	<i>Louis Jeter</i>
3. Steve Greene	<i>Steve Greene</i>
4. Charles Scott	<i>Charles Scott</i>
5. Jay Adams	<i>Jay Adams</i>
6. Bill Hare	<i>Bill Hare</i>
7. Edwin Barren	<i>Edwin Barren</i>
8. Pecosso Ruiz	<i>Pecosso Ruiz</i>
9. Wayne Poston	<i>Wayne Poston</i>
10. Joseph Helms	<i>Joseph Helms</i>
11. Joshua Helms	<i>Joshua Helms</i>
12. Tim Jordan	<i>Tim Jordan</i>
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	
24.	

DSCN1678.JPG

12-13-2018 16:31

Attributes	
Description	October 30, 2017 Training Attendance Sheet from CSC's SWPPP binder. Note that none of the names from the Archer Western contacts were present. Permit 2.1.2.9 requires employee training at least annually.

Recertification
Notice of Intent (NOI) for Stormwater Discharges Associated with
Industrial Activities (Except Construction)
NPDES General Permit SCR000000

This form is for use by those facilities seeking recertification under the Re-issued NPDES Industrial General Permit. Submission of this Notice of Intent constitutes notice that the party identified in Section A of this form intends to be authorized by a NPDES permit issued for storm water discharges associated with industrial activity in a State location identified in Section B of this form. Becoming a permittee obligates such a discharge to comply with the terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM. NO FEE IS REQUIRED WITH THIS FORM.

Date: 12.13.2018

A. Facility Operator Information

- Name: CEMEX Construction Materials Atlantic, LLC
- Company EIN: 26-3068146 Phone: 704-598-2020 Fax: 704-598-2077
- Mailing Address: 9135 Harris Corners Parkway, Suite 200 State: NC Zip: 28269
- City: Charlotte
- Facility Contact: Wayne Amater Phone: 864-594-4116 Ext.
- Facility Contact Email address: michaelw.amater@cemex.com
- Facility Billing Address (If different from Mailing address): State: Zip:

B. Facility Information

- Facility Name: CEMEX - Spartanburg
- Are stormwater discharges from your facility covered under the Industrial Stormwater General Permit? ☒ Yes ☐ No
If yes, provide your coverage number: SCR00 4553
- Facility Location:
 - Street: 475 Samuel Rd.
 - City: Spartanburg
 - County: Spartanburg Zip Code: 29304
 - Latitude: 34°58'36"N e. Longitude: -81°58'33"W
 - Lat/Long Data Source: ☐ USGS topographic map ☐ GPS ☒ website: HoudeMap
 - Estimated area of industrial activity at your site exposed to stormwater: 92 (acres)
 - Is this a Federal facility? ☐ Yes ☒ No
 - Is this facility located on Indian lands? ☐ Yes ☒ No If yes, name:

C. Discharge Information

- Does your facility discharge stormwater to a permitted Municipal Separate Storm Sewer System (MS4)? ☒ Yes ☐ No
If yes, name of MS4 operator: Spartanburg County
- Does your facility have stormwater discharges that are mixed with non-stormwater discharges covered under another NPDES permit? ☐ Yes ☒ No If yes, provide permit number(s):
- Receiving Waters (if additional space is needed for this question, fill out Attachment 1)

a. What are the names of your receiving waters that receive stormwater from your facility and/or through an MS4?	b. Distance to receiving waters	c. Classification of receiving waters
<u>Three Mile Creek</u>	<u>1.438 ft</u>	<u>FW</u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
- Impaired waters found on the most current 303(d) List of Impaired Waters (use the table below for only those waters found on the most current 303(d) List of Impaired Waters – if additional space is needed for this question, fill out Attachment 1)

a. Name of Impaired Water (303(d) Listed)	b. Name of Impaired Water Quality Monitoring Stations (WQMS) that receives stormwater from your facility and/or through an MS4?	c. What pollutants are causing the impairment?	d. Are the pollutants causing the impairment present in your discharge?
<u>Fairforest Creek</u>	<u>B-020</u>	<u>FC</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<u>Fairforest Creek</u>	<u>B-164</u>	<u>FC</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<u>Fairforest Creek SC 56</u>	<u>B-021</u>	<u>B10</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Fairforest Creek SC 56</u>	<u>B-021</u>	<u>FC</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
DHEC 2629 (01/2011)

DSCN1679.JPG

12.13.2018 16:44

Attributes	
Description	<p>March 22, 2011 Notice of Intent (NOI) for operator CEMEX Construction Materials Atlantic, LLC's "CEMEX – Spartanburg" facility from CSC's SWPPP binder. The previous permit number was SCR000553. The facility is 92 acres in Spartanburg County's MS4. The receiving water is Three Mile Creek. Four Impaired Water Quality Monitoring Stations are listed for Fairforest Creek with pollutants of fecal coliform and B10.</p>

N 34° 58' 40.24"
W 81° 58' 46.96"

DSCN1680.JPG

5. Impaired waters with an EPA approved or established TMDL (use the table below for only those waters covered under an EPA approved or established TMDL – if additional space is needed for this question, fill out Attachment 1)

a. Name of Impaired Water covered by a EPA approved or established TMDL	b. Name of Impaired Water Quality Monitoring Stations (WQMS) that receive stormwater from your facility and/or through an MS4?	c. What pollutants are listed in the TMDLs for this waterbody?	d. Are the pollutants causing the impairment present in your discharge?
Four Coast Creek @ US 221	B-020	EC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Four Coast Creek @ S-42-651	B-164	EC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Four Coast Creek @ SC 56	B-021	EC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

6. Effluent Limitation Guidelines and Sector-Specific Requirements

a. Is this facility subject to the effluent limitation guidelines found in SCR000000? ☐ Yes ☒ No

b. If yes, identify in the table below which effluent limitation guidelines apply to your stormwater discharges?

40 CFR Part/Subpart	Eligible Discharges	Affected IGP Sector	Check if Applicable
Part 411, Subpart C	Runoff from material storage piles at cement manufacturing facilities	E	<input type="checkbox"/>
Part 418 Subpart A	Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	C	<input type="checkbox"/>
Part 423	Coal pile runoff at steam electric generating facilities	O	<input type="checkbox"/>
Part 429, Subpart I	Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	A	<input type="checkbox"/>
Part 443, Subpart A	Runoff from asphalt emulsion facilities	D	<input type="checkbox"/>
Part 445, Subparts A & B	Runoff from hazardous waste and non-hazardous waste landfills	K, L	<input type="checkbox"/>

7. If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of glycol-based deicing/ anti-icing chemicals and/or 100 tons or more of urea on an average annual basis? ☐ Yes ☐ No ☒ N/A

8. Identify the applicable SIC Code(s), Sector(s) and Subsector(s) of industrial activity, including co-located industrial activity, for which you are requesting permit coverage. List your facility's primary SIC Code in Line a:

a. SIC Code: 3273 Sector 32 Subsector 73

b. SIC Code: 3271 Sector 32 Subsector 71

c. SIC Code: 3272 Sector 32 Subsector 72

d. SIC Code: 5032 Sector 50 Subsector 32

e. SIC Code: 7538 Sector 75 Subsector 38

f. SIC Code: 5039 Sector 50 Subsector 39

D. NOI Preparer

1. Prepared by: Johnny M. Tapia Company: CEMEX

2. Mailing Address: 9335 Harris Corners Pkwy, Suite 200

3. City: Charlotte State: NC Zip: 28269

4. Phone: 704-598-2020 Ext. 2058 E-mail: johnnym.tapia@cemex.com

E. Certifier Name and Title

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations (See Section 122.22 of S.C. Reg. 61-9 for signatory authority information.)

Printed Name: Jon Tuggle Title: UP/Gr

Signature: [Signature] Date: 3/22/11

DHEC 2625 (11/11/2011)

Attributes


Description

March 22, 2011 Notice of Intent (NOI) for CEMEX from CSC's SWPPP binder. It lists SIC Codes 3273, 3272, 7538, 3271, and 5039

N 34° 58' 40.27"
W 81° 58' 47.03"

12.13.2018 16:48

DSCN1681.JPG



Rogers & Callcott
ENVIRONMENTAL

Concrete Supply Co., LLC
PO Box 5247
Charlotte, NC 28299

Work Order Reported: 5120786
01/05/16 16:46

Sample Data

Sample Number: 5120786-01
Sample Description: Spartanburg 002 collected on 12/17/15 07:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
COD	ND	20.0	mg/L	1.00	12/30/15 10:18	EPA 410.4			
Oil and Grease, Total, HEM	ND	5.0	mg/L	1.00	12/18/15 10:00	EPA 1664B		REH	B5L1036
pH Lab	9.7	0.1	pH Units	1.00	12/22/15 08:48	SM 4500HB-2011		CTS	B5L0753
Total Suspended Solids	60.4	4.0	mg/L	4.00	12/21/15 14:25	SM 2540D-2011	K3	JRM	B5L0874
								MLM	B5L0829

rogersandcallcott.com
an environmental services company

5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.0556 | fax 864.232.6140
01/05/2016 16:46

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Page 3 of 6

Sample Number		5120786-01	Sample Data						
Sample Description		Spartanburg 002 collected on 12/17/15 07:00	reported: 01/05/16 16:46						
Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
COD	ND	20.0	mg/L	1.00	12/30/15 10:18	EPA 410.4			
Oil and Grease, Total, HEM	ND	5.0	mg/L	1.00	12/18/15 10:00	EPA 1664B		REH	B5L1036
pH Lab	9.7	0.1	pH Units	1.00	12/22/15 08:48	SM 4500HB-2011		CTS	B5L0753
Total Suspended Solids	60.4	4.0	mg/L	4.00	12/21/15 14:25	SM 2540D-2011	K3	JRM	B5L0874
								MLM	B5L0829

Attributes

Description

December 17, 2015 sample from 002 in CSC's SWPPP binder. Total Suspended Solids (TSS) were 60.4 and pH was 9.7. These values exceeded the TSS and pH effluent limit in part 8.E.5 of the Permit. No corrective action was observed in the SWPPP binder.

N 34° 58' 40.23"
W 81° 58' 47.02"

12.13.2018 16:49

Rogers & Callcott
ENVIRONMENTAL

Concrete Supply Co., LLC
PO Box 5927
Charlotte, NC 28290

Project: SWPPP
Work Order: E000000
Received: 11/09/18 09:35

Sample Number: 8100896-01
Sample Description: Spartanburg Outfall #2 collected on 10/11/18 10:00

Parameter

Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
COD	30.3	20.0	mg/L	1.00	10/25/18 11:41	EPA 410.4		
Oil and Grease, Total, HEM	ND	5.0	mg/L	1.00	11/02/18 14:15	EPA 1664B	REH	B8J1247
pH Lab	8.6	0.1	pH Units	1.00	10/18/18 16:45	SM 4500HB-2011	CTS	B8K0110
Total Suspended Solids	78.0	5.0	mg/L	5.00	10/15/18 13:47	SM 2540D-2011	K3	JRM B8J1084 SAK B8J0764

Concrete Supply Co., LLC
PO Box 5927
Charlotte, NC 28290

11/09/18 09:35

Page 3 of 6

Sample Number	8100896-01								
Sample Description	Spartanburg Outfall #2 collected on 10/11/18 10:00								
Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
COD	30.3	20.0							
Oil and Grease, Total, HEM	ND	5.0	mg/L	1.00	10/25/18 11:41	EPA 410.4			
pH Lab	8.6	0.1	mg/L	1.00	11/02/18 14:15	EPA 1664B			
Total Suspended Solids	78.0	5.0	pH Units	1.00	10/18/18 16:45	SM 4500HB-2011			
			mg/L	5.00	10/15/18 13:47	SM 2540D-2011	K3		
								REH	B8J1247
								CTS	B8K0110
								JRM	B8J1084
								SAK	B8J0764

Attributes

Description

October 11, 2018 Outfall #2 sample in CSC's SWPPP binder. Total Suspended Solids were 78.0 mg/L, pH was 8.6, and COD was 30.3 mg/L. TSS of 78.0 mg/L. The TSS effluent limit in part 8.E.5 of the Permit is 50 mg/L for discharges from material storage piles at cement manufacturing facilities and 100 mg/L in part 8.E-1. No corrective action was observed in the SWPPP binder.



Attributes	
Description	The Backup Plant Manager, Wayne Poston, described this as the Outfall for CSC. It is flowing. This matches the location designated as "CSCO" in the map shown in photo DSCN1674.



Attributes	
Description	Receiving ditch below CSC Outfall in photo DSCN1683.



Attributes	
Description	Two pipes with red circles added for easier viewing. One of these pipes appears to be the outfall from Metromont's pond (see photo DSCN1686). Note the turbid color.



Attributes	
Description	CSC's Wayne Amaker stated that this is Metromont's pond and outfall (corner of pond in bottom right). This pond is located on CSC's Site Plan. Note the turbid color.